

SEQUENCE LISTING

<110> Mack, Dav Gish, Kurt EOS Biotechnology, Inc. <120> Methods of Diagnosis of Breast Cancer, Compositions and Methods of Screening for Modulators of Breast Cancer <130> 018501-001200US <140> US 09/829,472 <141> 2001-04-09 <150> US 09/525,361 <151> 2000-03-15 <160> 20 <170> PatentIn Ver. 2.1 <210> 1 <211> 3213 <212> DNA <213> Homo sapiens <220> <223> BCA4, osteoblast specific factor 2 (periostin) <220> <221> CDS <222> (12)..(2522) <223> BCA4 <400> 1 agagactcaa gatgattccc tttttaccca tgttttctct actattgctg cttattgtta 60 accetataaa egecaacaat cattatgaca agatettgge teatagtegt ateaggggte 120 gggaccaagg cccaaatgtc tgtgcccttc aacagatttt gggcaccaaa aagaaatact 180 tragcacttg taagaactgg tataaaaagt ccatctgtgg acagaaaacg actgttttat 240 atgaatgttg ccctggttat atgagaatgg aaggaatgaa aggctgccca gcagttttgc 300 ccattgacca tgtttatggc actctgggca tcgtgggagc caccacaacg cagcgctatt 360 ctgacgctc aaaactgagg gaggagatcg agggaaaggg atccttcact tactttgcac 420 cgagtaatga ggcttgggac aacttggatt ctgatatccg tagaggtttg gagagcaacg 480 tgaatgttga attactgaat gctttacata gtcacatgat taataagaga atgttgacca 540 aggacttaaa aaatggcatg attattcctt caatgtataa caatttgggg cttttcatta 600 accattatcc taatggggtt gtcactgtta attgtgctcg aatcatccat gggaaccaga 660 ttgcaacaaa tggtgttgtc catgtcattg accgtgtgct tacacaaatt ggtacctcaa 720 ttcaagactt cattgaagca gaagatgacc tttcatcttt tagagcagct gccatcacat 780 cggacatatt ggaggccctt ggaagagacg gtcacttcac actctttgct cccaccaatg 840 aggettttga gaaactteca egaggtgtee tagaaaggtt catgggagae aaagtggett 900 ccgaagetet tatgaagtae cacatettaa ataeteteea gtgttetgag tetattatgg 960 gaggagcagt ctttgagacg ctggaaggaa atacaattga gataggatgt gacggtgaca 1020 gtataacagt aaatggaatc aaaatggtga acaaaaagga tattgtgaca aataatggtg 1080 tgatccattt gattgatcag gtcctaattc ctgattctgc caaacaagtt attgagctgg 1140 ctggaaaaca gcaaaccacc ttcacggatc ttgtggccca attaggcttg gcatctgctc 1200 tgaggccaga tggagaatac actttgctgg cacctgtgaa taatgcattt tctgatgata 1260 ctctcaqcat qqttcaqcqc ctccttaaat taattctgca gaatcacata ttgaaagtaa 1320 aagttggcct taatgagctt tacaacgggc aaatactgga aaccatcgga ggcaaacagc 1380 tcagagtett egtatategt acagetgtet geattgaaaa tteatgeatg gagaaaggga 1440

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365

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Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe Thr 145 150 155 160

Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile Ile 165 170 175

Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn Ile His 180 185 190

Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly Ala Gly Leu
195 200 205

Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr Pro Lys Gly 210 215 220

Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg Ile Ile Ile Glu Glu 225 230 235 240

Leu Pro Lys

<210> 20

e, ., .

<211> 243

<212> PRT

<213> Mus sp.

<220>

<223> mouse BCN4, ESTs, mouse orthologue of human BCN4

<220>

<221> MOD RES

<222> (1)..(243)

<223> Xaa = any amino acid

<400> 20

Xaa Xaa Xaa Ala Ala Pro Pro Gln Leu Leu Gly Leu Phe Leu 1 5 10 15

Val Leu Leu Leu Leu Gln Leu Ser Ala Pro Ser Ser Ala Ser Glu 20 25 30

Asn Pro Lys Val Lys Gln Lys Ala Leu Ile Arg Gln Arg Glu Val Val 35 40 45

Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala Gly Val Pro Gly 50 55 60

Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly Thr Pro Gly Ile
65 70 75 80

Pro Cys Gln Asp Gly Phe Lys Gly Glu Lys Gly Glu Cys Leu Arg Glu 85 90 95

Ser Phe Glu Glu Ser Trp Thr Pro Asn Tyr Lys Gln Cys Ser Trp Ser

Ser Leu Asn Tyr Gly Ile Asp Leu Gly Lys Ile Ala Glu Cys Thr Phe 115 120 125

Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly Ser 130 135 140

Leu Pro Lys

6 . 4